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Version 2.6  
Task Order Number CSC 04-14

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**User's Manual (UM)**  
**for the**  
**Trademark Image Capture and Retrieval System (TICRS)**  
**Incoming Paper Correspondence (IPC)**  
**Version 2.8**

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**SECTION 1**  
**TELL ME ABOUT TICRS INCOMING PAPER**  
**CORRESPONDENCE (IPC)**

## **SECTION 1**

### **TELL ME ABOUT TICRS INCOMING PAPER CORRESPONDENCE (IPC)**

This section gives an overview of the Trademark Image Capture and Retrieval System (TICRS) Incoming Paper Correspondence (IPC) Version 2.8 program. It concludes with a description of the IPC related features and capabilities, conventions, terms and concepts.

The objective of TICRS is to capture and store a digital representation of all documents related to a Trademark application. TICRS provides the “electronic file wrapper” that allows orderly digital capture, movement, and storage of Trademark application documents and case files. TICRS is an electronic repository replacing paper files. The format of the files stored in the database is therefore images or Extensible Markup Language (XML) (but not word processing documents, spreadsheets, etc.). The current formats accepted in the TICRS system are Extensible Markup Language (XML) documents (which are straight text files), Tagged Image File Format (TIFF) images with Community Colleges for Innovative Technology Transfer (CCITT) Group 4 compression, and Joint Photographic Experts Graphic (JPEG) file format.

#### **1.1 OVERVIEW**

This section describes the TICRS IPC program and its purpose. The TICRS IPC adds to the electronic record of Trademark applications by capturing all paper incoming correspondence from applicants and attorneys as images for inclusion in the TICRS database. Incoming facsimiles (FAX) and Electronic Mail (e-mail) are handled separately. Appendix A shows the place of the IPC software in the mailroom process of handling incoming correspondence.

#### **1.2 FEATURES**

The following lists the key features of the TICRS IPC and includes a brief description of each feature.

##### **Key Features**

The TICRS IPC program allows you to classify incoming correspondence as you:


- Select a document by serial, registration or United States Patent and Trademark Office (USPTO) reference number.
- Highlight the document type of the incoming correspondence by:
  - Choosing a physical routing destination for the paper mail
  - Choosing a particular type of document appropriate to that destination
- Assign a Mail/Create Date to a piece of incoming correspondence
- Specify whether a fee transaction (deposit account, check or credit card) accompanies a piece of incoming correspondence



- Enter and validate against Trademark Reporting and Application Monitoring (TRAM) a serial, registration or USPTO reference number for the incoming correspondence
- Scan a document or page in various modes (bitonal, color, simplex, duplex), using either an Automatic Document Feeder (ADF), or flatbed input tray
- Print a routing sheet for the mailroom staff to route the mailed material to its end location. The routing sheet contains multiple fields including:
  - Location to which the mail is to be routed
    - Supervisor-modifiable routing table
  - Word Mark from TRAM database (unless the mark has a design component, then only the phrase “Design Mark Only” is printed)
  - Serial Number and barcode
  - Registration Number and barcode (if applicable)
  - Mail Date and barcode (TICRS format)
  - Mail Date and barcode (Random Access Memory [RAM] format)
- Hide or unhide a document type to prevent or facilitate its appearance in TICRS Image Retrieval.

### 1.3 CONVENTIONS

Below is a list of the main document conventions used in this document.

- Desktop icons, file names, user interface data entry field names, database table names, and publication names are cited in *italics*.
- Database fieldnames are cited in ALL CAPS.
- Interface function buttons are cited in bold face.
- Screen subsection or frame names are cited “in quotation marks”.
- Live path names appear as hyperlinks, for example:
- [www.csc.com](http://www.csc.com) – indicates this is a live hyperlink and clicking the link would direct you the Computer Sciences Corporation (CSC) home page.
-  - indicates link selection is available.
- Cross-reference – sections, figures and tables cross-referenced will appear, as hyperlinks and clicking the link will direct you to that place in the document.

**Note** – A note will be displayed sporadically throughout the document in a text box format. For example: “Note: The serial/registration/reference number input box has a limitation of ten digits”.

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## **SECTION 2**

### **GETTING STARTED**

## **SECTION 2 GETTING STARTED**

This section describes how to get started using the TICSRS IPC. It identifies the software version and hardware environment, and access information.

### **2.1 SOFTWARE VERSION**

The software version of the TICSRS IPC covered in this user manual is identified as follows:

- TICSRS IPC, Version 2.8

Also see the **Help** menu under the **About TICSRS IPC** option.

### **2.2 SYSTEM REQUIREMENTS**

The following are the minimum and recommended requirements needed to operate the TICSRS IPC.

#### **2.2.1 System Requirements:**

- Client Operating System – Microsoft (MS) Windows NT 4.0 or Windows XP Workstation, Service Pack 6a
- Database Software – Oracle Client 8.0.5 or higher

### **2.3 ACCESS INFORMATION**

Click the desktop IPC icon to access the IPC functionality.

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## **SECTION 3**

### **HOW DO I ...?**

## **SECTION 3**

### **HOW DO I...?**

This section provides detailed step-by-step instructions on how to use the TICRS IPC to carry out specific tasks. Screen shots are used for illustration where appropriate.

#### **3.1 START PROCESS**

This section contains the steps to initiate the start process for the TICRS IPC.

##### **3.1.1 Starting the TICRS IPC Hardware**

To start the TICRS IPC hardware:

1. Turn on the printer power.
2. Turn on the scanner power. Make sure the scanner light is on.
3. Turn on the tower and monitor for the workstation. Allow it to boot up normally.

##### **3.1.2 Starting the TICRS IPC Software**

To start the TICRS IPC software:

1. Once the desktop has appeared, click the IPC desktop icon.

#### **3.2 WORK PROCESSES**

This section contains the steps for using a specific TICRS IPC process, feature, or function.

### 3.2.1 How to Navigate the Main Screen

Exhibit 3-1 shows the main screen from which the initial IPC functionality is performed. Various parts of the screen are numbered for reference purposes.

**1. Highlight Document Type**

Document Category

- Assistant Commissioner's Office
- Intent To Use
- Law Offices
- Other
- Post Registration Unit
- Pre Exam
- Publication
- Publication and Issue

Document Type

- Fastener Quality Act
- Inadvertently Issued Registration (IIRN)
- Papers Belonging to Destroyed Files
- Petition to Commissioner/Make Special
- Petition to Commissioner/Petition Decision
- Petition to Commissioner/Reinstate
- Petition to Commissioner/Revive
- Petition to Reinstate
- Refunds; Petitions to the Commissioner
- Reinstatements
- Requests for Reconsideration of Petition Decision
- Requests for Reinstatement of a Filing Date
- Response to Notice of Abandonment
- Revivals

Document Type Selected:

Word Mark: None

**2. Select Mail/Create Date**

Mail/Create Date Selected for Document Is: November 02 2004

November 2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

**3. Fee?**

☐ Yes ☒ No

Status: Waiting for Input

**4. Enter Serial, Registration or USPTO Reference Number:**

Reenter Number:

☒ Domestic ☐ International

**5. Validate in TRAM**

Validate in TRAM

Validated Number(s) and Routing:

**6.**

Scan

Clear Entries

Exit

Routing Table Disabled

A16 Debug: C:\TEMP\IncomingCorr\ EC02 Port: 2996

**Exhibit 3-1: Incoming Paper Correspondence, Main Screen**

Table 3-1 lists the functional areas of the IPC Main Screen.

**Table 3-1: IPC Main Screen, Annotated**

<b>List</b>	<b>Annotations</b>
1.	Description and Routing Document (document type) selection panel, where left column choice controls list of options available in right column
2.	Select Mail/Create Date
3.	Fee Attachment radio button (must choose Yes or No)
4.	Serial, Registration or USPTO Reference Number Entry and Validation (requires double key entry unless barcode reader [BCR] used)
5.	Scan button (grayed out until serial/registration/USPTO reference number entered and validated)
6.	Display panel showing which document type is currently selected

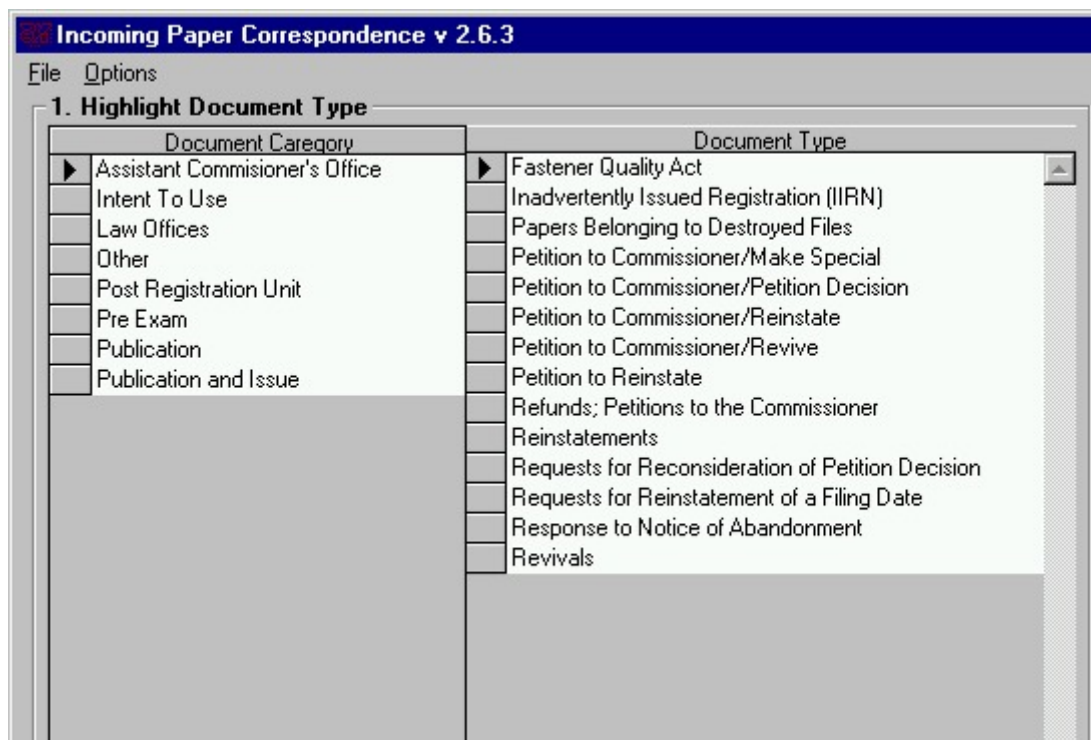
### 3.2.2 How to Highlight the Document Type

On the main IPC screen in the Highlight Document Type pane you can assign a document type in TICSRS to a new piece of incoming correspondence by following these steps.

To assign a Document Type:

1. Choose a Document Category from the left column. This list shows the location or other descriptor of the destination that will be handling the incoming document. When the box is highlighted, use any of the following methods to select an item:
  - a. Use the mouse to select the item
  - b. Navigate up and down using the arrows, then select by clicking the right arrow once, then tab to the next box.
2. Each Document Category selected in the left column is associated with a separate list of Document Types in the right column. Choose a Document Type from the list. When the box is highlighted, use any of the following methods to select an item:
  - a. Use the mouse to select the item
  - b. Navigate up and down using the arrows, then select by clicking the right arrow once, then tab to the next box.

Exhibit 3-2 shows the IPC Main Screen, Highlight Document Type pane.

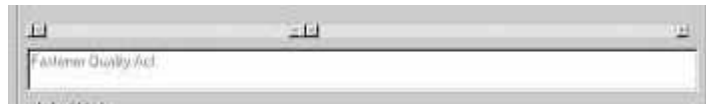


**Exhibit 3-2: Main Screen, Highlight Document Type Pane**



### **3.2.3 How to Check Document Type**

When an entry in each column has been highlighted, the Document Type selected will be repeated in the lower left pane. Exhibit 3-3 shows the IPC Main Screen, Document Type check Display.



**Exhibit 3-3: IPC Main Screen, Document Type Check Display**

### **3.2.4 How to Select the Mail/Create Date**

To select the Mail/Create Date:

1. Type a Mail/Create Date for the incoming document in the top box, or select a month and year using the arrow boxes in the middle, and then click the day desired.  
Exhibit 3-4 shows the IPC Main Screen, Select Mail/Create Date Pane.
2. Mail/Create date will remain from one transaction to the next unless changed by the operator.

Exhibit 3-4 displays the IPC Main Screen.

**1. Highlight Document Type**

Document Category	Document Type
Assistant Commissioner's Office	Fastener Quality Act
Intent To Use	Inadvertently Issued Registration (IIRN)
Law Offices	Papers Belonging to Destroyed Files
Other	Petition to Commissioner/Make Special
Post Registration Unit	Petition to Commissioner/Petition Decision
Pre Exam	Petition to Commissioner/Reinstate
Publication	Petition to Commissioner/Revive
Publication and Issue	Petition to Reinstate
	Refunds; Petitions to the Commissioner
	Reinstatements
	Requests for Reconsideration of Petition Decision
	Requests for Reinstatement of a Filing Date
	Response to Notice of Abandonment
	Revivals

**2. Select Mail/Create Date**

Mail/Create Date Selected for Document Is: **November 02 2004**

**November 2004** | November | 2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

**3. Fee?**

☐ Yes  
☒ No

**4. Enter Serial, Registration or USPTO Reference Number:**

Reenter Number:

☒ Domestic  
☐ International

**5. Validate in TRAM**

Validated Number(s) and Routing:

**6. Document Type Selected:**

Word Mark:  None

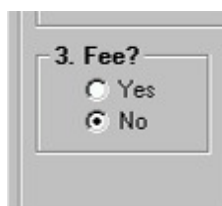
Routing Table Disabled | A16 Debug: C:\TEMP\IncomingCorr\ | EC02 Port: 2996

**Exhibit 3-4: IPC Main Screen, Select Mail/Create Date Pane**

### 3.2.5 How to Specify the Fee Status

#### To specify the Fee Status:

Click the appropriate radio button, Yes or No, to specify whether a check or credit card transaction is attached to the correspondence. Exhibit 3-5 shows the IPC Main Screen, Fee? Radio Buttons.



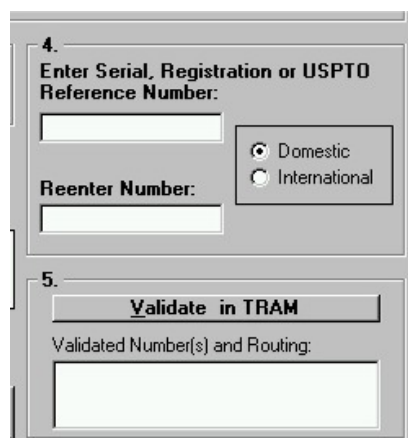
**Exhibit 3-5: IPC Main Screen, Fee? Radio Buttons**

### 3.2.6 How to Enter/Validate Serial, Registration or USPTO Reference Number(s)

#### To enter and validate Serial, Registration or USPTO Reference Number(s):

- Enter Serial, Registration or USPTO Reference Number
- Key in the number in the top box of the Serial/Registration/Reference pane.
- Key it in again in the center box, and click **Validate in TRAM** button.
- The validated number and its destination then appear in the lower box. Exhibit 3-6 shows the IPC Main Screen, Serial, Registration or USPTO Reference Number and Validate Pane.

**NOTE:** If a piece of correspondence pertains to more than one serial/registration/USPTO reference number, you may enter multiple numbers up to twenty-five and click **Validate in TRAM** button. They will be added to the lower box of Validated Number(s) and Routing.



**Exhibit 3-6: IPC Main Screen, Serial, Registration or USPTO Reference Number and Validate Pane**

### 3.2.7 How to Read Status, Clear Entries, or Exit

#### To Read Status:

The Status window will reflect any ongoing TRAM Clearpath mainframe lookups, when a record is open, being read, or being written.

#### To Clear Entries:

The **Clear Entries** button (or the keystrokes [CTRL] + C) will clear all inputs to the IPC Main Screen.

#### To Exit IPC:

The **Exit** button (or the keystrokes [CTRL]+X) will exit the IPC program without recording the transaction currently onscreen.

Exhibit 3-7 shows the IPC Main Screen, Read Status, Clear Entries, or Exit Pane.

The screenshot shows a vertical panel with a light gray background. At the top, there is a section titled "3. Fee?" with two radio buttons: "Yes" (unselected) and "No" (selected). Below this is a "Status" label. In the center, there is a white rectangular box with the text "Waiting for Input". At the bottom, there are two buttons: "Clear Entries" and "Exit".

**Exhibit 3-7: IPC Main Screen, Read Status, Clear Entries, or Exit Pane**

### 3.2.8 How to Navigate the Image Capture and Quality Control Screen

Clicking Scan on the IPC main screen brings you to the Image Capture and Quality Control screen. Exhibit 3-8 shows the screen from which the scanning portion of the IPC functionality is performed. Various parts of the screen are numbered for reference purposes.

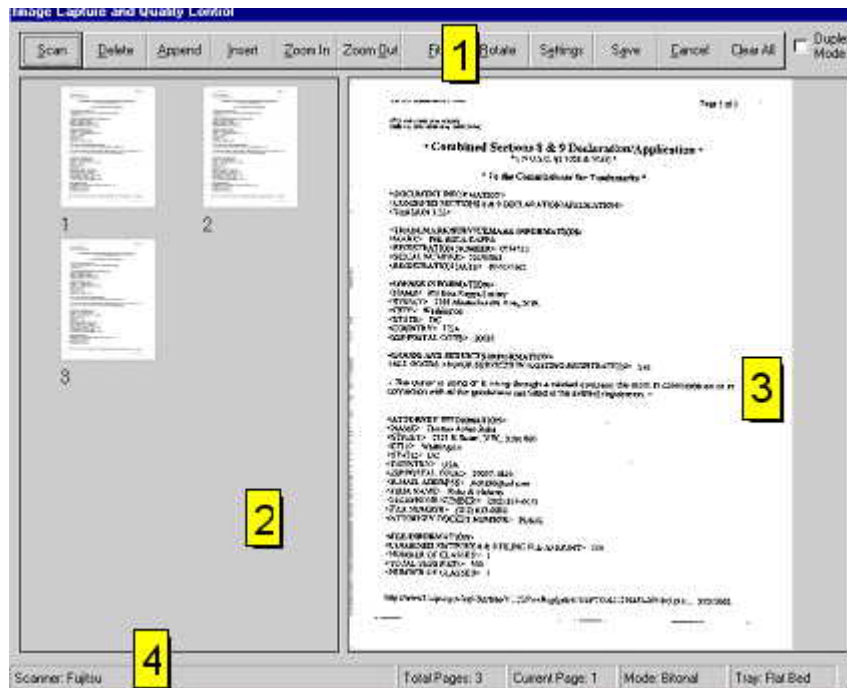


Exhibit 3-8: Image Capture and Quality Control Screen

Table 3-2 lists the functional areas of the Image Capture and Quality Control Screen.

**Table 3-2: Image Capture and Quality Control Screen, Annotated**

List	Annotation
1.	Control button bar with duplex mode checkbox
2.	Document tree view pane
3.	Page view pane
4.	Status bar

### 3.2.9 How to Select a Function

**To select a program function:**

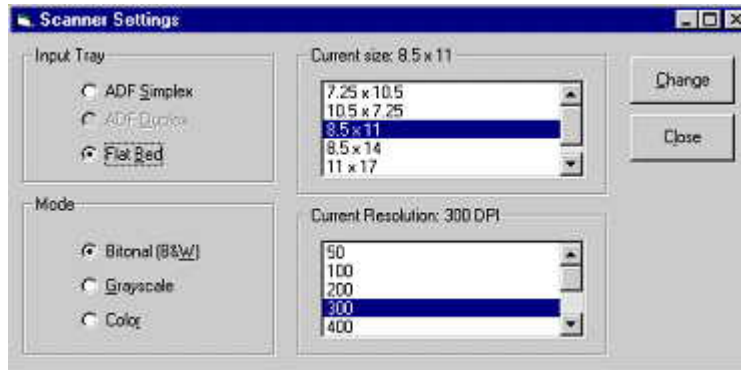
1. Use the control button bar (Exhibit 3-9) with duplex mode checkbox at the top of the Image Capture and Quality Control Screen.
2. Click the appropriate button or use its control key equivalent. The control key method requires pressing and holding the CTRL Key and pressing the letter key underlined on the button. For example, the control key equivalent of clicking the **S**can button is [CTRL] + S.



**Exhibit 3-9: Image Capture and Quality Control Button Bar**

### 3.2.10 How to Set the Scanner Settings

1. At the control button bar, click **Settings** button or use [CTRL]+E.
2. The Scanner Settings Screen appears. See Exhibit 3-10 for an example.



**Exhibit 3-10: Scanner Settings**

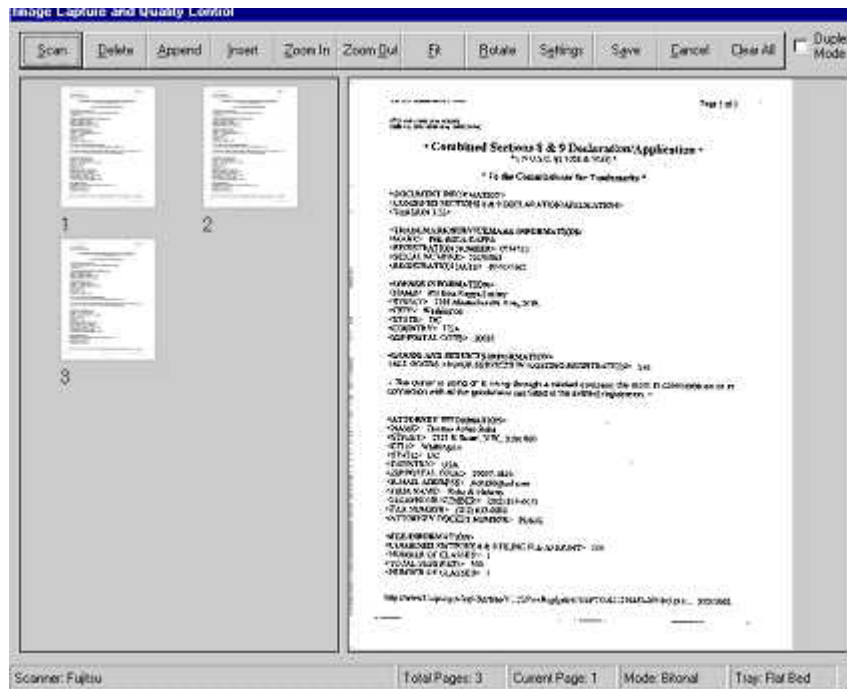
3. The default settings for the Input Tray radio buttons are set for single-sided scanning from the automatic document feeder (ADF simplex). The Mode radio buttons are set to black and white [Bitonal (B&W)] scanning. The Current Size is set to handle 8.5 x 11 inch paper. **NOTE:** While you may change them here, as necessary, for the current document, these defaults will reappear on the next document scanned.
4. Click Change ([CTRL]+C) to register any changes you have made to the defaults.

Click **Close** ([CTRL]+L) to make the changes effective and return to the Image Capture and Quality Control Screen.

### 3.2.11 How to Scan a Document

#### To scan a single-sided black and white (bitonal) document:

1. Place paper page(s) in the automatic document feeder (ADF) on the scanner.
2. Click **Scan** or [CTRL]+S in the control button bar.
3. Page(s) will feed through the scanner and populate a document tree view in the left pane and a magnification of page 1 in the right pane. Exhibit 3-11 shows the Scanned Document Tree and Page Magnification Views.
4. To view a particular page, use the cursor to click on the desired page in the document tree view on the left pane of the window as in Exhibit 3-11. The image will be shown in the page view pane on the right side of the window.



**Exhibit 3-11: Scanned Document Tree and Page Magnification Views**

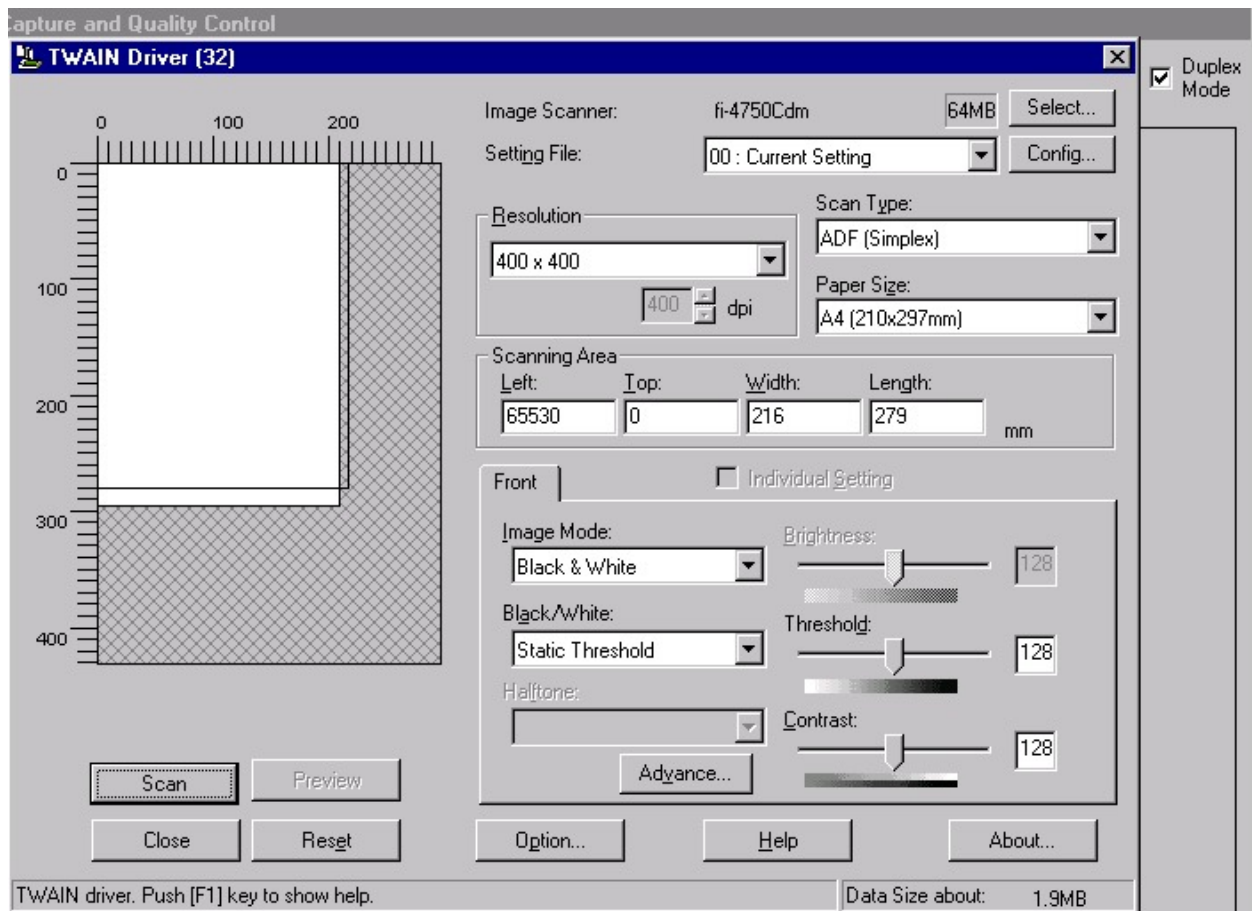
#### To scan a single-sided color document:

1. Click Settings from the control button bar or [CTRL]+E from the keyboard.
2. The Scanner Settings screen appears (Exhibit 3-10).
3. In the Scanner Settings screen Mode pane, click the Color radio button.
4. Click Change to register the settings.
5. Click Close to return to the Image Capture and Quality Control Screen.



**To scan a double-sided document:**

1. Click the **Duplex Mode** checkbox at the right end of the control button bar on the Image Capture and Quality Control screen. (Note that Duplex functions in black and white only.) Exhibit 3-12 shows the Scan Duplex Mode settings.
2. Set the Scan Type to ADF Duplex (although the default setting of Simplex is shown in the example, you must choose from the drop-down menu released by the arrow to the right of the Scan Type box.)
3. Choose the correct paper size (although the default setting of A4 is shown in the example, you must choose from the drop down menu released by the arrow to the right of the Paper Size box).
4. Place the double sided page(s) in the ADF.
5. Click **Scan**.



**Exhibit 3-12: Scan Duplex Mode Settings**

**To adjust scanned images:**

Use the **Rotate** button on the control button bar on the Image Capture and Quality Control screen to correct the orientation of any selected page by moving the image clockwise in 90-degree increments.

**To adjust image view:**

Use the **Zoom In**, **Zoom Out**, or **Fit** buttons on the control button bar.

**To move pages within the document:**

Click, drag and drop the page in the left pane to the order you wish it to be in.

**To delete a page:**

1. Use the cursor to highlight the desired page in the left pane.
2. Click **Delete** in the control bar or use [CTRL]+D on the keyboard.

**To append a page:**

1. Scan a page.
2. Click **Append** in the control bar or use [CTRL]+A on the keyboard.
3. Automatically makes the newly scanned page the last page in the tree in the left pane.  
Useful for color specimens where the scanner has to be reset from ADF to flatbed and bitonal to color.

**To insert a page:**

1. Select a page in the document tree in the left pane.
2. Scan a new page.
3. Click **Insert** in the control bar or use [CTRL]+I on the keyboard. This will place the newly scanned image before the previously scanned image. Useful for e.g. deleting a skewed image and rescanning the page.

**To cancel the current scanned pages and return to the IPC Main Screen:**

Click **Cancel** in the control bar or use [CTRL]+C on the keyboard.

**To clear the current scanned pages and also the IPC Main Screen:**

Click **Clear** in the control bar or use [CTRL]+L on the keyboard.

**To save the current scanned pages:**

Click **Save** in the control bar or use [CTRL]+S on the keyboard.

### 3.2.12 Keystroke Equivalents

Table 3-3 shows the keystroke equivalents for each of the control buttons shown in the control button bar at the top of the Image Capture and Quality Control Screen.

**Table 3-3: Keystroke Equivalents**

Item	Activity Button Name	Keystroke Equivalent
1.	Exit	[CTRL] F4
2.	Scan	[CTRL] +C
3.	Delete	[CTRL] +D
4.	Append	[CTRL] +A
5.	Insert	[CTRL] + I
6.	Zoom In	[CTRL] + Z
7.	Zoom Out	[CTRL] + O
8.	Fit	[CTRL] + F
9.	Rotate	[CTRL] + R
10.	Settings	[CTRL] + E
11.	Save	[CTRL] + S
12.	Cancel	[CTRL] + C
13.	Clear All	[CTRL] + L
14.	Duplex Mode	checkbox

### 3.3 EXIT PROCESS

This section contains the steps to initiate the shut down process for the TICRS IPC.

#### **To exit the ICRS IPC:**

1. Click **Exit** from the IPC Main Screen or hit [CTRL] F4.

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## **SECTION 4**

### **GETTING HELP**

## **SECTION 4 GETTING HELP**

This section provides help information for the TICRS IPC.

### **4.1 SOLUTIONS TO COMMON PROBLEMS**

This section contains answers to the most common technical support questions and problems. The list below identifies these known problems for operating the TICRS IPC. Each problem identified is followed by an explanation of the problem and some possible workarounds or solutions, if any exist.

- Message “Oracle Not Available–Can’t Connect To Database” received. This means the Oracle server (*TICRS-AIS-01*) is down and cannot complete transactions from IPC. You must report this condition to the Help Desk so as to be notified when the server is back up.

### **4.2 GETTING MORE HELP**

This section provides available help resources if the above-mentioned source fails to address the questions or problems while operating the TICRS IPC.

See the Help file provided under the **Help** menu.

### **4.3 HELP DESK**

If any problems or questions arise, call the Help Desk at (703) 305-9000. The Help Desk hours of operation are as follows: Monday through Friday, 5:30 A.M. to 12 midnight, weekends and holidays, 5:30 A.M. to 10 P.M.

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## **SECTION 5**

### **ACRONYMS AND ABBREVIATIONS**

## **SECTION 5**

### **ACRONYMS AND ABBREVIATIONS**

The following acronyms are used in this document.

<b>Acronyms</b>	<b>Definitions</b>
ADF	Automatic Document Feeder
B&W	Black and White
BCR	Barcode Reader
CCITT	Community Colleges for Innovative Technology Transfer
IPC	Incoming Paper Correspondence
LOE	Level of Effort
MS	Microsoft
RAM	Random Access Memory
TIFF	Tagged Image File Format
TRAM	Trademark Reporting and Application Monitoring
UM	User's Manual

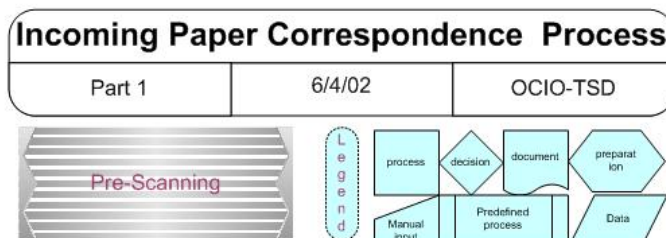
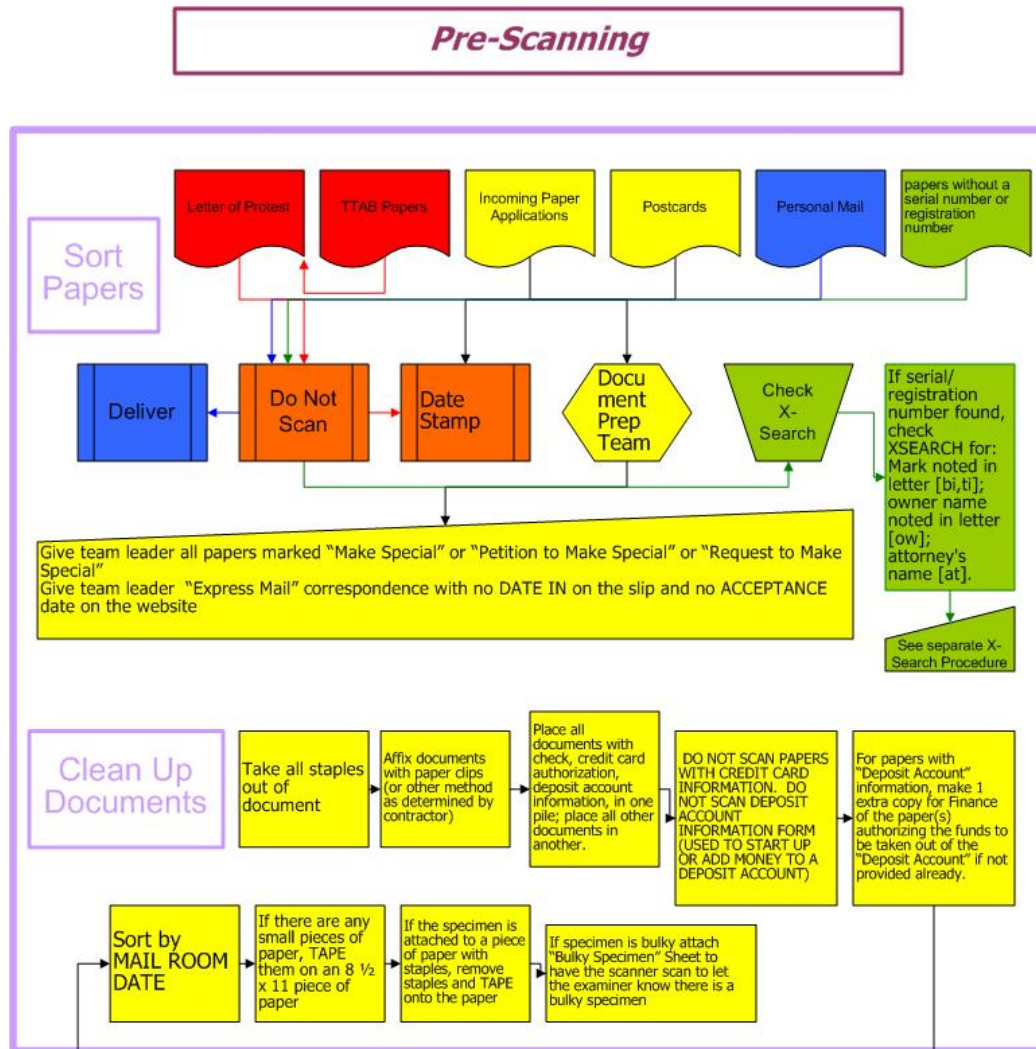
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## **APPENDIX A**

### **TICRS IPC PROCESS**



## APPENDIX A TICRS IPC PROCESS



**Figure A-1: Pre-Scanning**

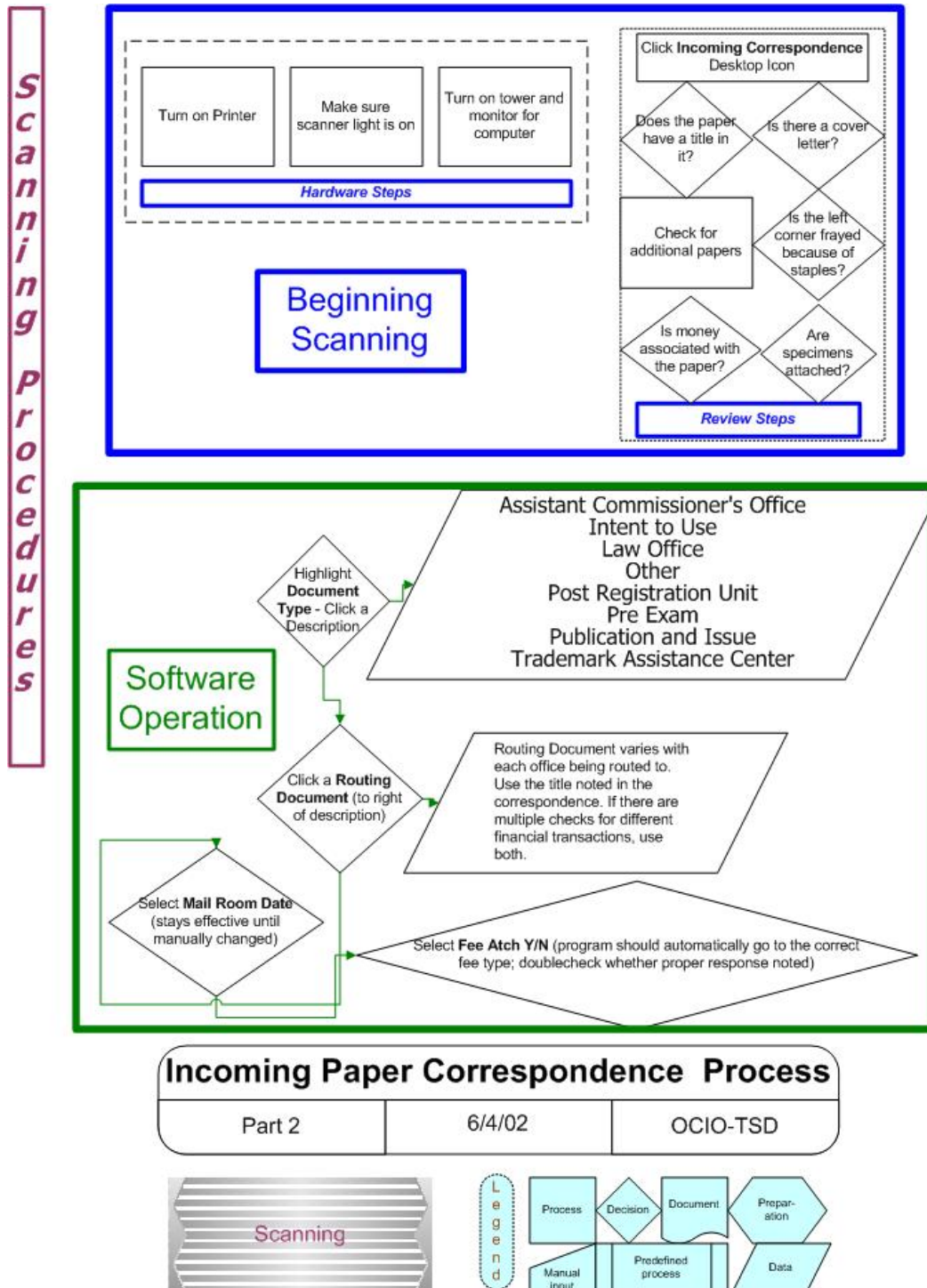
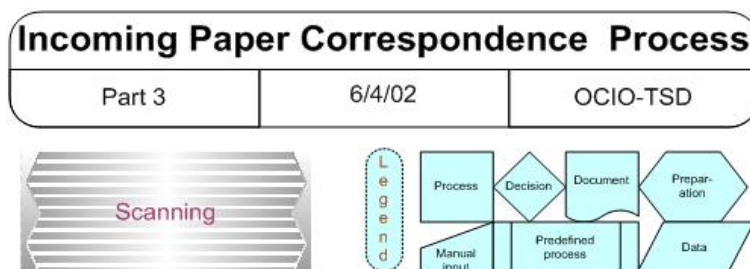
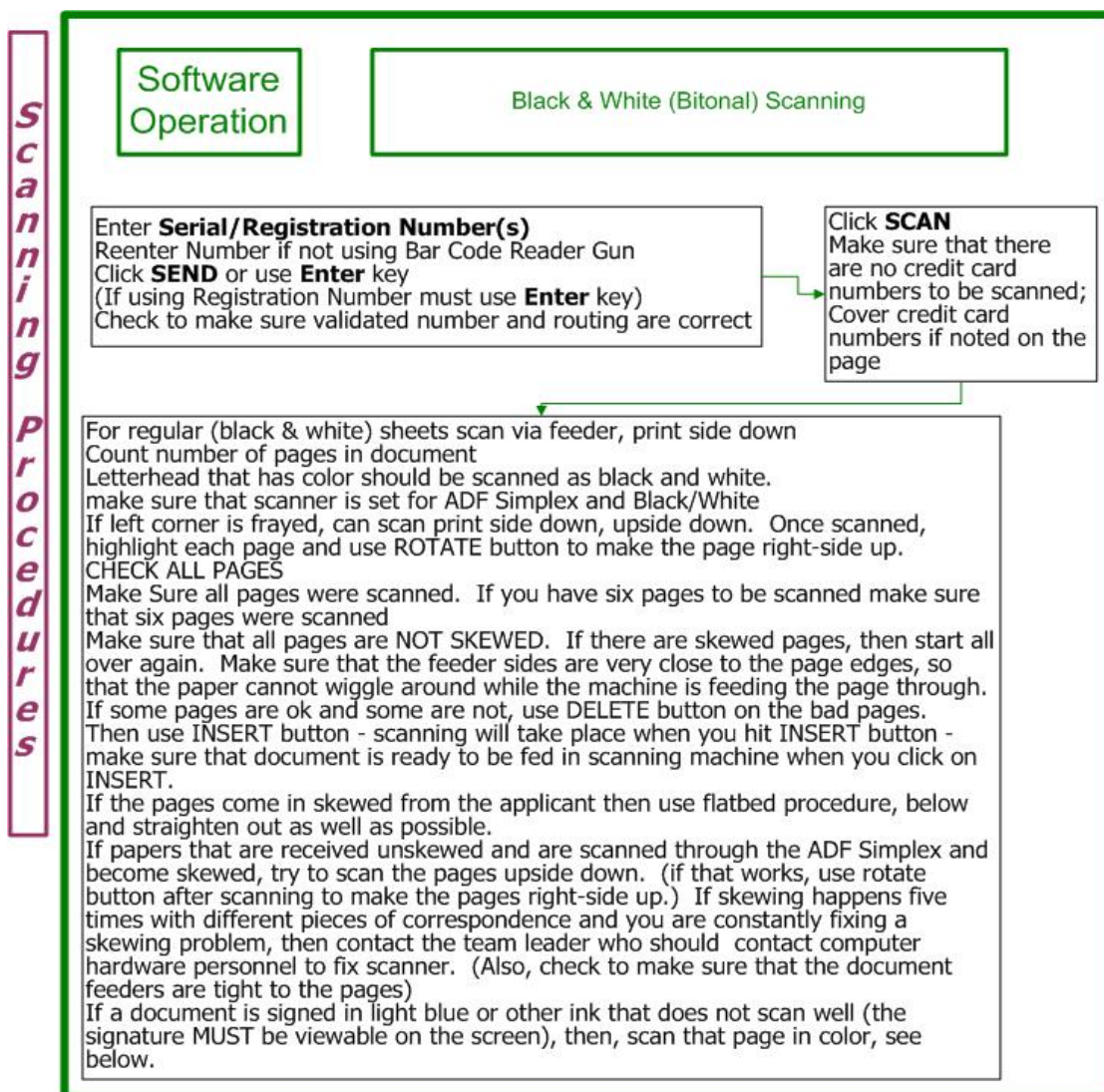
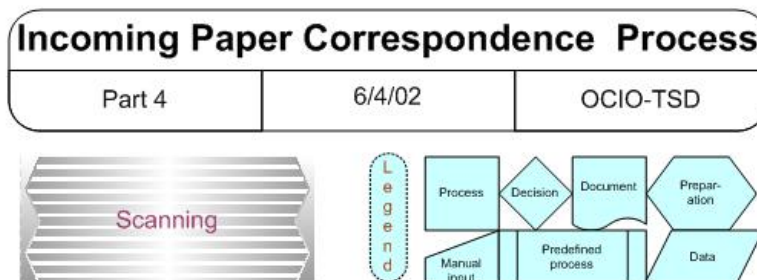
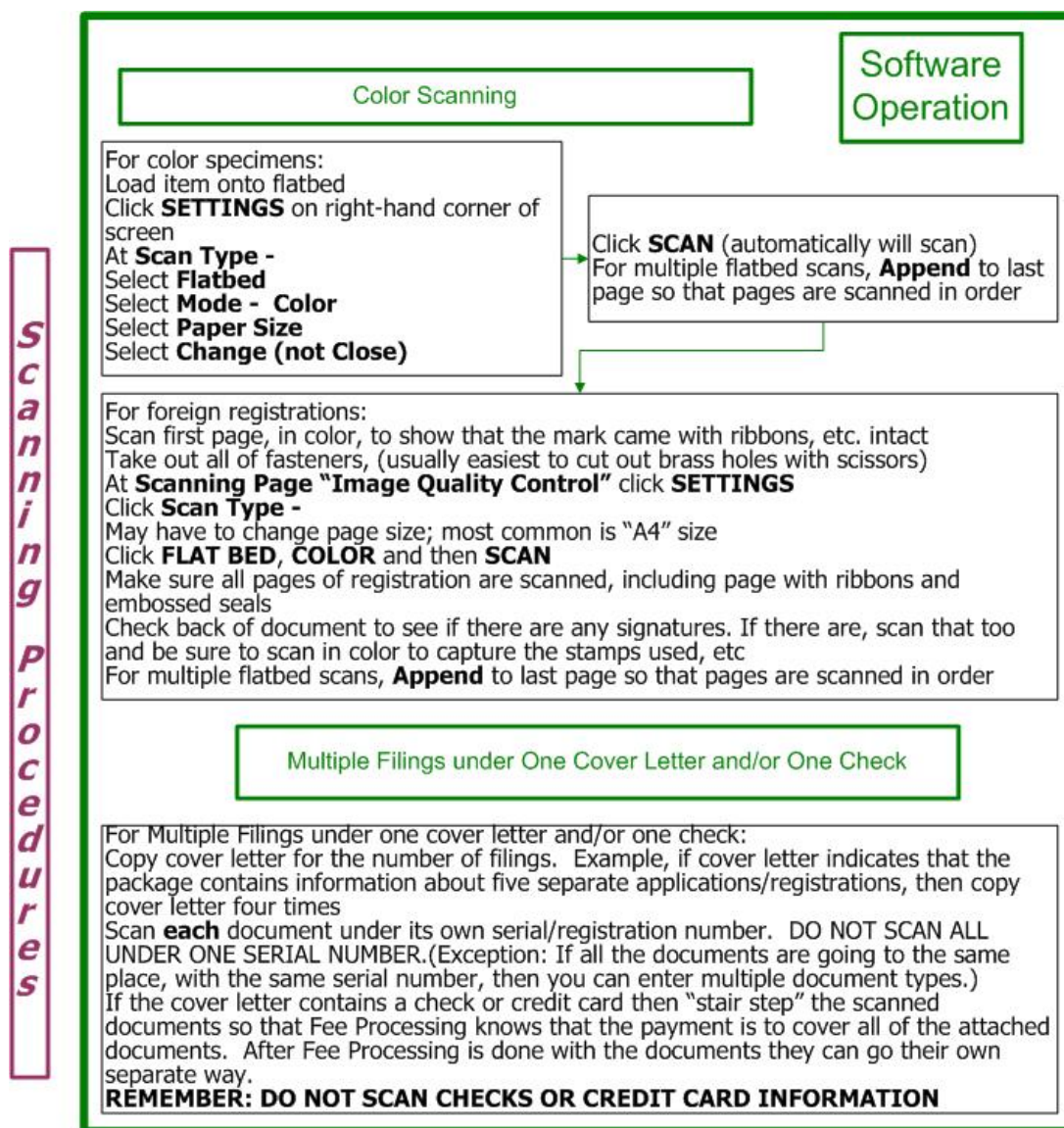


Figure A-2: Scanning Procedures, Beginning Scanning

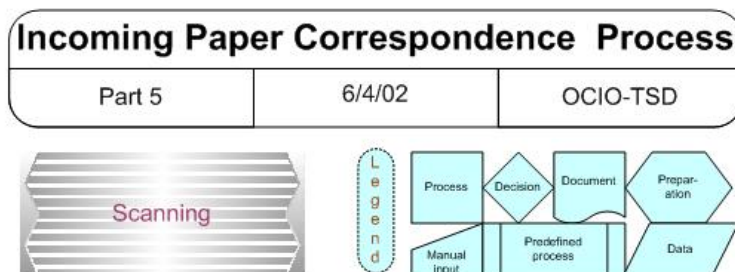
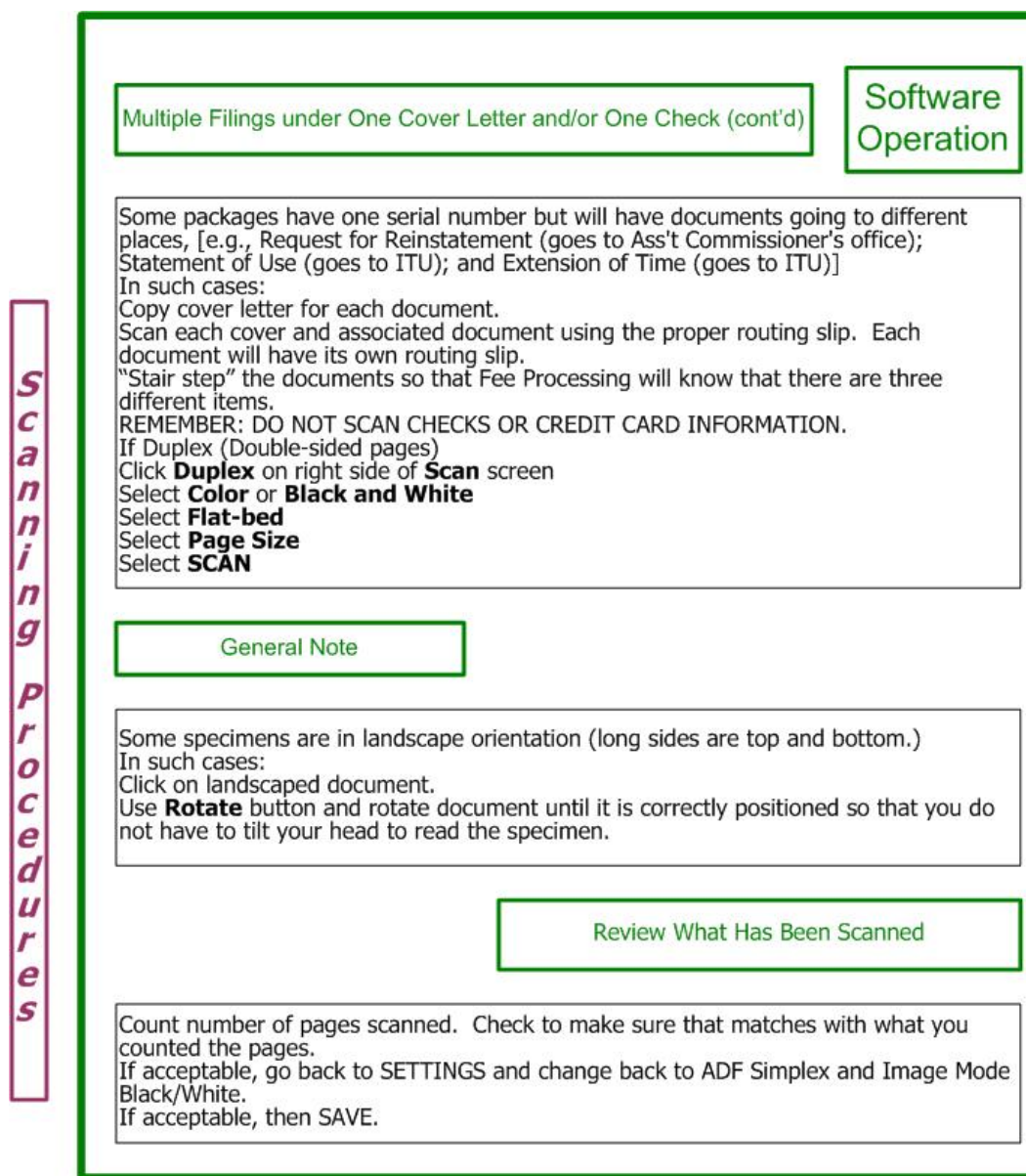


**Figure A-3: Scanning Procedure, Software Operation**

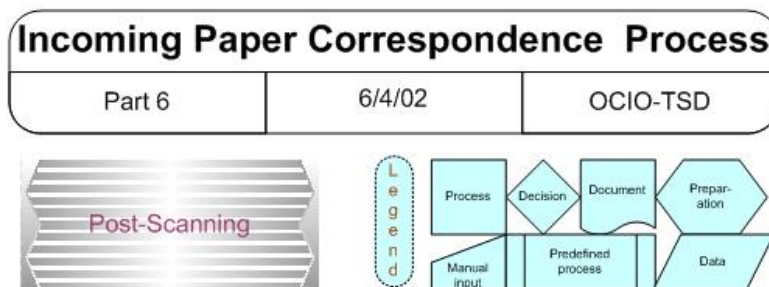
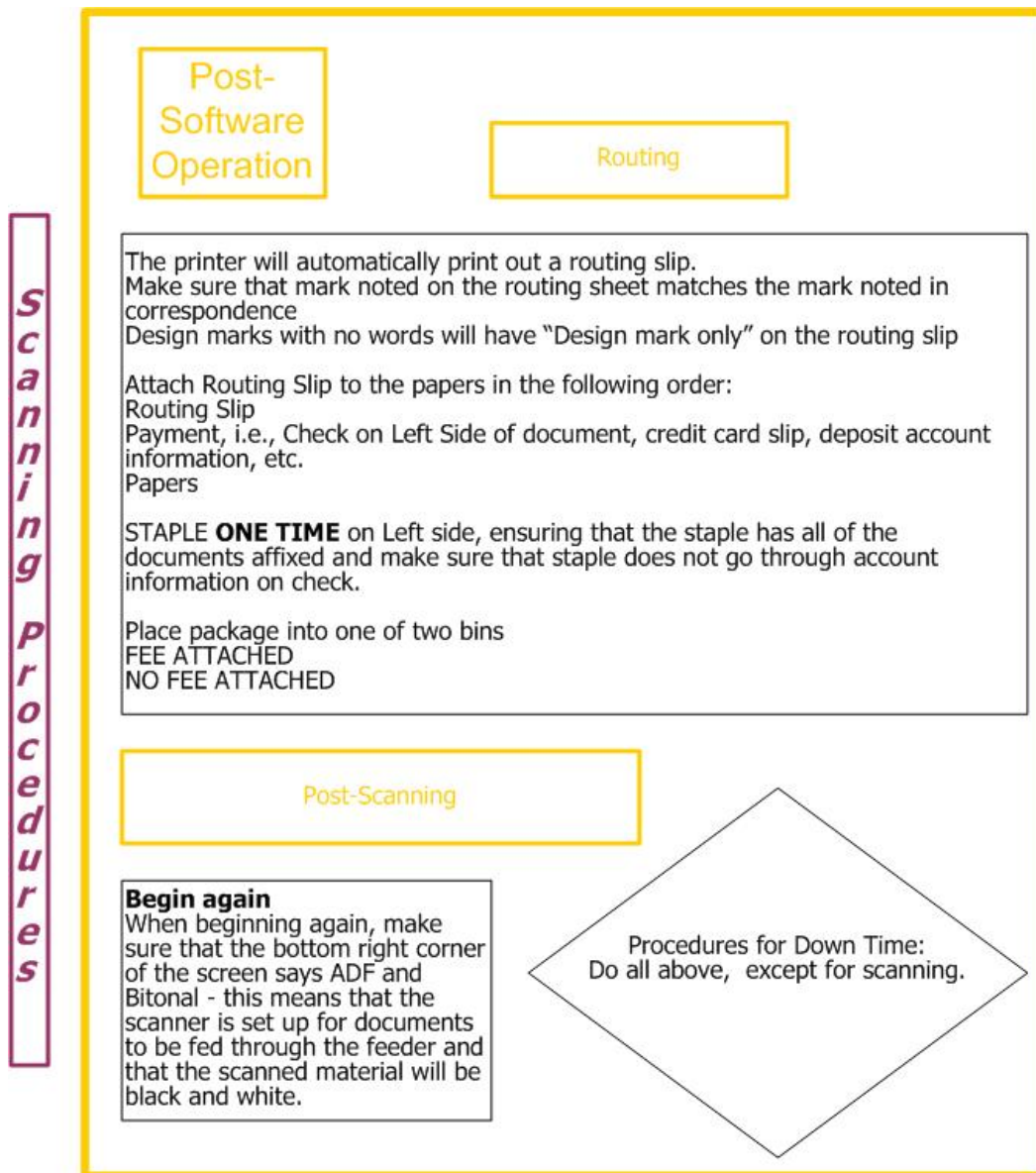




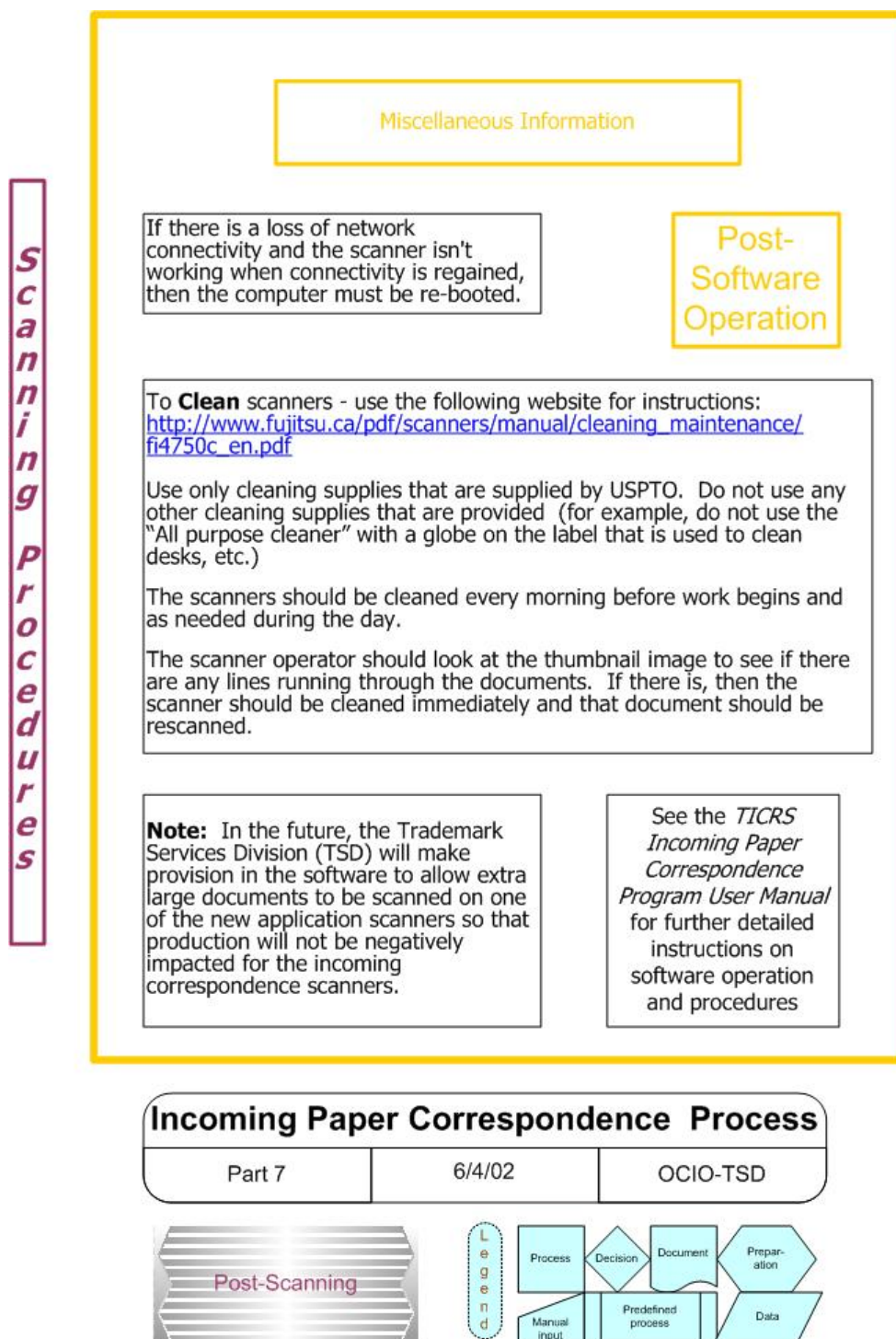
**Figure A-4: Scanning Procedures, Color Scanning**



**Figure A-5: Scanning Procedures, Multiple Filings under One Letter and/or One check (cont'd)**



**Figure A-6: Scanning Procedures, Post Software Operation**



**Figure A-7: Scanning Procedures, Miscellaneous Information**